

## ABSTRACT

5 The present invention relates to methods to assay 2-amino-2-deoxy-D-glucose-6-phosphate ketol-isomerase activity. The present invention also relates to methods for drug screening to identify compounds having antimicrobial activity, wherein the compounds have the ability to inhibit the enzymatic activity of a microbial ketol-isomerase. In other embodiments, methods are provided for the identification of compounds that selectively inhibit microbial ketol-isomerase activity compared to the ketol-isomerase activity of the subject being treated for an infection.

TO BE FORWARDED TO THE PATENT OFFICE